



REPORTED TO:	H. M. HOLLOWAY, INC.
SAMPLE DESCRIPTION:	COMPOST

MATERIAL ANALYSIS

DESCRIPTION	AMOUNT FOUND	
Nutrients	Dry wt.	As Rcvd.
Total Nitrogen %	1.8	1.0
Ammonia (NH ₄ -N) mg/kg	590	330
Nitrate (NO ₃ -N) mg/kg	1.5	0.87
Org. Nitrogen (Org.-N) %	1.7	0.96
Phosphorus (as P ₂ O ₅) %	1.8	1.0
Phosphorus (P) mg/kg	8,000	4,500
Potassium (as K ₂ O) %	5.5	3.1
Potassium (K) mg/kg	45,000	26,000
Calcium (Ca) %	2.0	1.1
Magnesium (Mg) %	0.75	0.42
Sulfate (SO ₄ -S) mg/kg	1,600	930
Boron (Total B) mg/kg	64	36
Moisture %	0	43.7
Sodium (Na) %	0.82	0.46
Chloride (Cl) %	1.8	1.0
pH Value	NA	9.22
Bulk Density lb/cu ft	21	37
Carbonates (CaCO ₃) lb/ton	38	22
Conductivity (EC5) mmhos/cm	21	NA

Sample was received and handled in accordance with TMECC procedures.



COMPOST

DESCRIPTION	AMOUNT FOUND	
Nutrients	Dry wt.	As Rcvd.
Organic Matter %	53.9	30.3
Organic Carbon %	21.0	12.0
Ash %	46.1	26.0
C/N Ratio	12	12
AgIndex	3	3
Metals <i>mg/kg</i>	Dry wt.	EPA Limit
Aluminum (Al)	4,200	-
Arsenic (As)	2.3	41
Cadmium (Cd)	< 1.0	39
Chromium (Cr)	13	-
Cobalt (Co)	2.7	-
Copper (Cu)	31	1,500
Iron (Fe)	5,800	-
Lead (Pb)	1.7	300
Manganese (Mn)	200	-
Mercury (Hg)	< 1.0	17
Molybdenum (Mo)	4.4	75
Nickel (Ni)	7.9	420
Selenium (Se)	< 1.0	100
Zinc (Zn)	130	2,800
Stability Indicator		
CO₂ Evolution	Respirometry	
mg CO ₂ -C/g OM/day	2.8	
mg CO ₂ -C/g TS/day	1.5	
<i>Stability Rating</i>	<i>stable</i>	

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COMPOST

DESCRIPTION	AMOUNT FOUND	
Maturity Indicator: Cucumber Bioassay		
Compost:Vermiculite <i>v:v</i>	1:2	
Emergence %	2.8	
Seedling Vigor %	NA	
Pathogens	Results	Rating
Fecal Coliform <i>MPN/g</i>	< 7.5	<i>pass</i>
Salmonella <i>MPN/4g</i>	< 3	<i>pass</i>
Physical Contaminants**	<i>% by dry wt</i>	
Total Plastic	< 0.1	
Film Plastic	< 0.1	
Glass	< 0.1	
Metal	< 0.1	
Sharps	ND	
Total	< 0.5	
<i>**Greater than 4mm in size (Sharps greater than 2mm)</i>		
Size Distribution		
<i>mm</i>	<i>% by weight</i>	
> 50	0.0	
25 to 50	0.0	
16 to 25	0.0	
9.5 to 16	0.0	
6.3 to 9.5	1.1	
4.0 to 6.3	6.5	
2.0 to 4.0	17.5	
< 2.0	75.0	

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